

NWS Form E-5

(04-2006)

(PRES. BY NWS Instruction 10-924)

U.S. DEPARTMENT OF COMMERCE

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL WEATHER SERVICE

HYDROLOGIC SERVICE AREA (HSA)

San Angelo, TX

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:

MONTH

YEAR

June

2011

TO: Hydrologic Information Center, W/OS31
NOAA's National Weather Service
1325 East West Highway
Silver Spring, MD 20910-3283

SIGNATURE

Jason Johnson

DATE

July 19, 2011

When no flooding occurs, include miscellaneous river conditions below the small box, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (NWS Instruction 10-924).

☒ An X inside this box indicates that no flooding occurred within this hydrologic service area.

A dry weather pattern enabled drought conditions to intensify across the San Angelo hydrologic service area (HSA) in June. Many areas received less than 25 percent of normal rainfall during the month. Temperatures during the month averaged well above normal as San Angelo observed its warmest June on record and Abilene experienced its second warmest June on record.

By the end of June, the U.S. Drought Monitor depicted exceptional drought conditions across much of the HSA. Only portions of Runnels, Coleman, Brown and Callahan Counties received enough moisture to keep from deteriorating beyond severe to extreme drought conditions. The USGS Water Watch showed daily streamflows in the HSA were well below normal during the month.

The average precipitation reported from coop observers in June was 0.60 of an inch. The highest monthly precipitation total of 2.29 inches was reported in eastern Coleman County. Coop observers in northern Concho and eastern Coleman Counties received over two inches of rain in June.

The San Angelo Regional Airport received 0.46 of an inch of precipitation during June, which was 2.06 inches below normal for the month. The monthly normal rainfall for San Angelo in June is 2.52 inches.

The Abilene Regional Airport received 0.39 of an inch of precipitation during June, which was 2.13 inches below normal for the month. The monthly normal rainfall for Abilene in June is 3.06 inches.

Junction received 0.52 of an inch of rain during June. The estimated average monthly rainfall in June is about 3.75 inches.

Coop Observer Rainfall Totals for June, 2011:

Station Name	Amount (in)		Station Name	Amount (in)
Abilene	1.42		Mertzon 12NNW	0.41
Acton Ranch	0.12		Oak Creek Lake	0.32
Anson	0.00		Ozona	0.07
Ballinger 2NW	0.05		Ozona 22SE	0.00
Brady	0.57		Paint Rock	2.09
Brownwood	1.35		Putnam	0.41
Burkett	0.43		Red Bluff Crossing	1.23
Coleman	1.42		Rotan	0.18
Concho Park	1.48		San Angelo WFO	0.45
Eldorado	0.50		San Saba 7NW	0.98
Eldorado 10W	0.23		Santa Anna 12SSE	2.29
Fort Griffin	0.55		Silver Valley	0.60
Fort McKavett	0.87		Sonora	T
Glen Cove 2NE	1.19		Stamford	0.00
Hamlin	0.02		Sterling City	0.17
Haskell	0.01		Taylor Ranch	0.36
Hords Creek Dam	1.30		Throckmorton 7NE	0.10
Humble Pump	0.00		Water Valley	1.19
Junction 4SSW	0.81		Water Valley 11NE	0.80
Mason	0.56		Winters	0.53
Menard	0.16		Woodson	0.13
Merkel 12SW	0.29		(T) <i>Trace</i>	

Reservoir Conditions (end of June, 2011)

Reservoir	Conservation Capacity (Ac-Ft)	End of Month Capacity (Ac-Ft)	Percent of Capacity (%)
Fort Phantom Hill	70,030	46,960	67
Lake Stamford	52,700	37,070	72
Hubbard Creek Lake	317,800	163,800	51
Hords Creek Lake	8,800	2,340	29
Lake Brownwood	131,428	63,890	49
E.V. Spence	488,760	5,310	1
O.C. Fisher	119,200	820	1
O.H. Ivie	554,340	139,130	25
Twin Buttes	177,800	21,430	12

Hydro Products Issued

ESF = 2 (Probabilistic Fcst)

The NWS precipitation analysis can be viewed at <http://water.weather.gov/>.

The total monthly precipitation estimate and percent of normal precipitation for June across the San Angelo HSA is depicted below.

